

Sustainable Natural Alternative Power

Mark Wiser, Public Utility District #1 of Chelan County



It's a SNAP!



May 18, 2007

What is SNAP?

- Started in 2001
- Named in an employee contest
- Designed to take “baby steps” toward building an alternative energy base
- Limited to producers of 25 kW or less within Chelan County

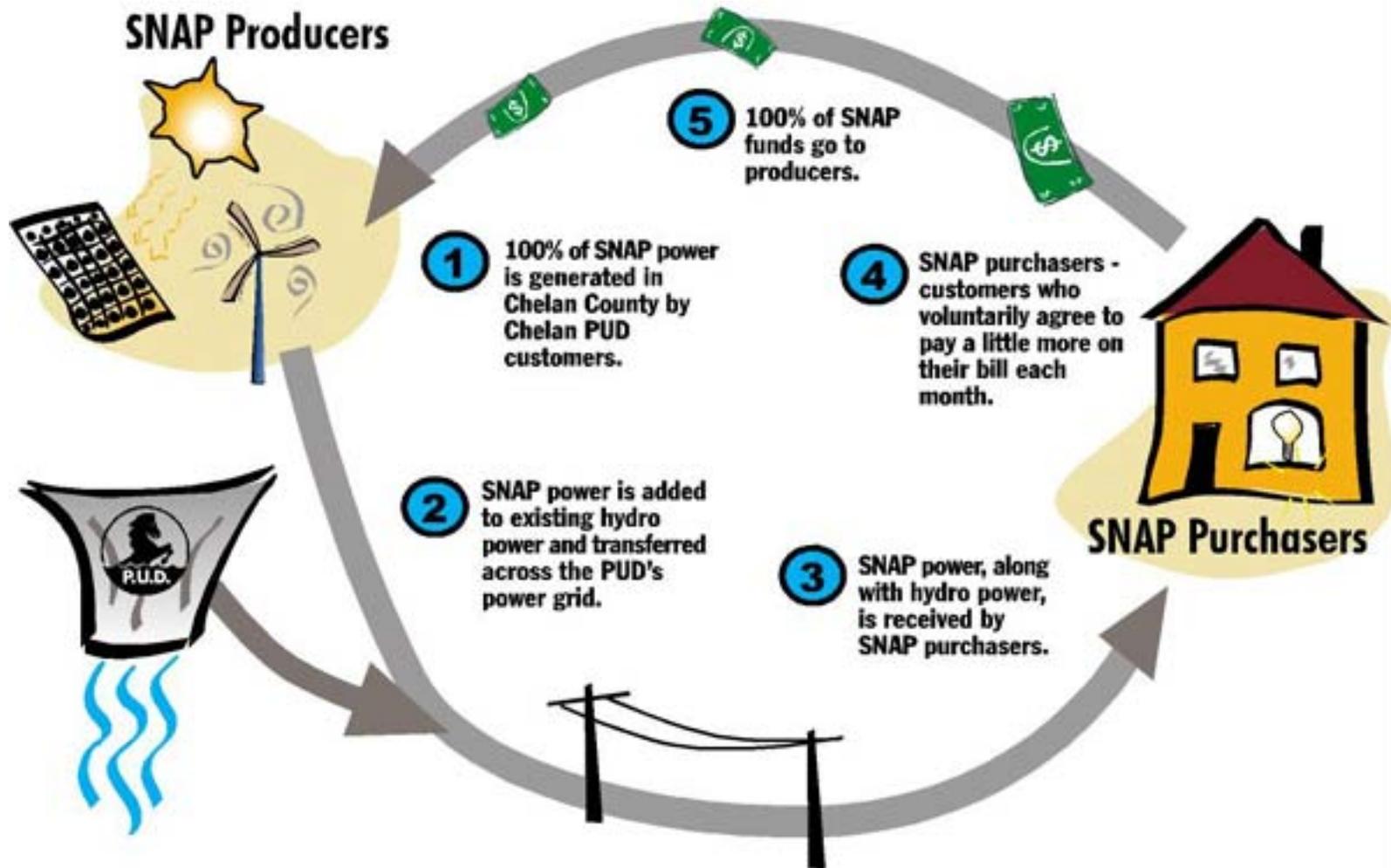


What is SNAP?

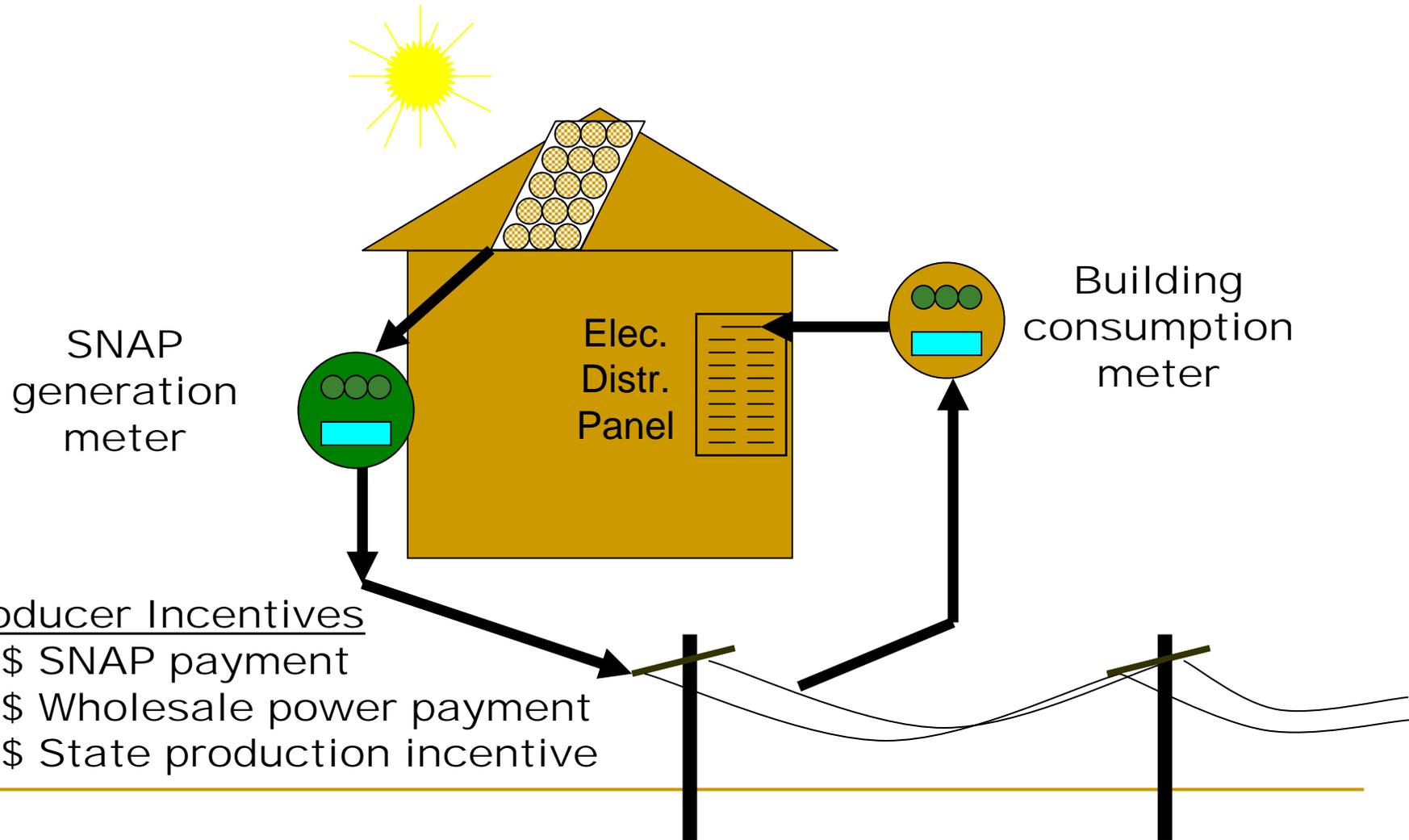
- Based on voluntary purchases (contributions) from customers
- Contributions go into a pool that is divided among producers once a year
- First year, with three producers, returns were \$1.50 per kWh
- This year, with 45 producers, returns were 21 cents per kWh
- New state production incentive is adding to the returns for producers



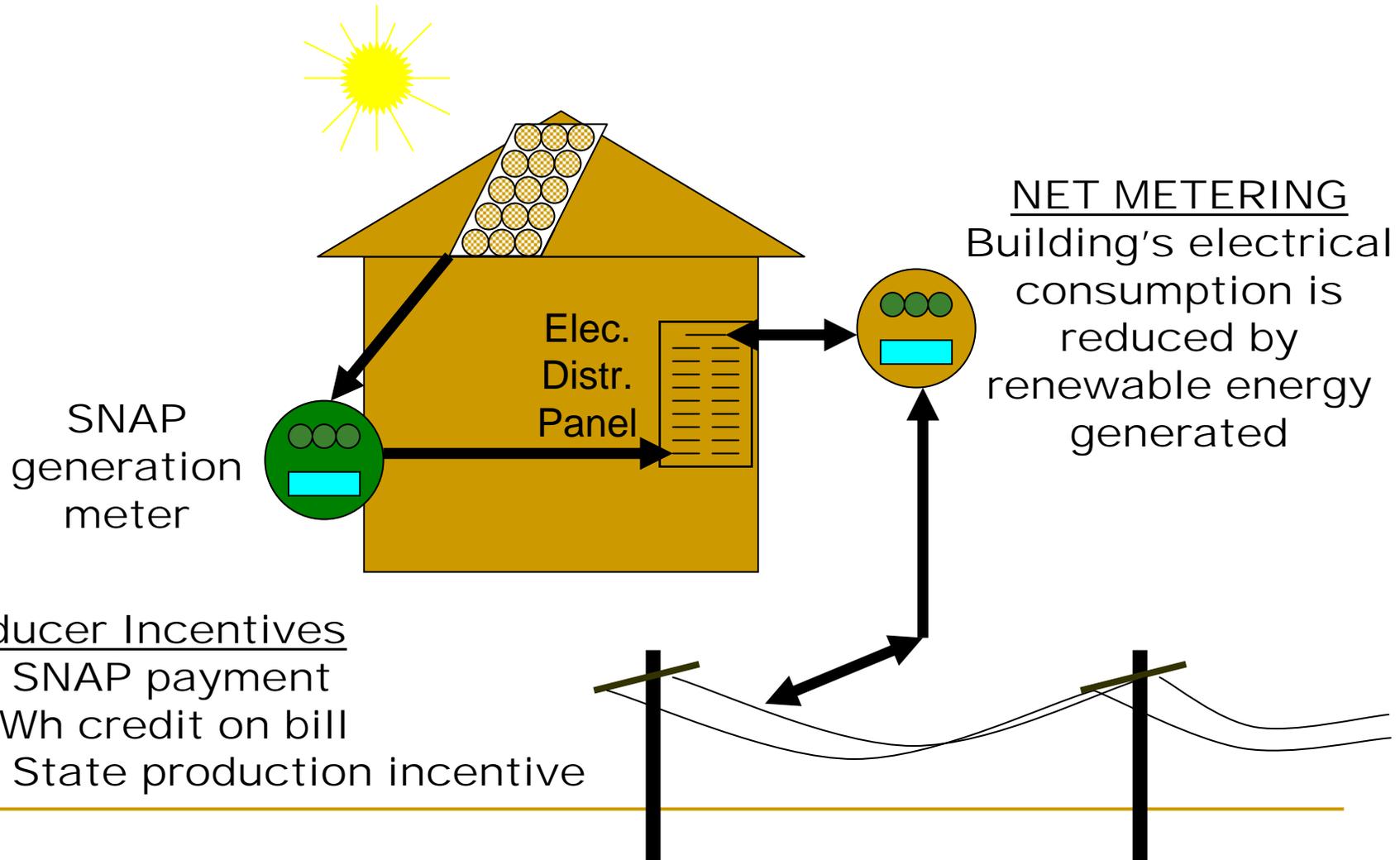
How SNAP works



Existing SNAP metering policy



Add net-metering option to SNAP



Alcoa Solar Endowment

- Alcoa Community Solar Endowment established in 2003
- Provided nearly \$1 million in materials and labor
- Arrays ranging from 1.3 to 10 kW installed at schools and public agencies
- Half of revenues from generation goes to producers; half to Alcoa community fund



SNAP by the numbers

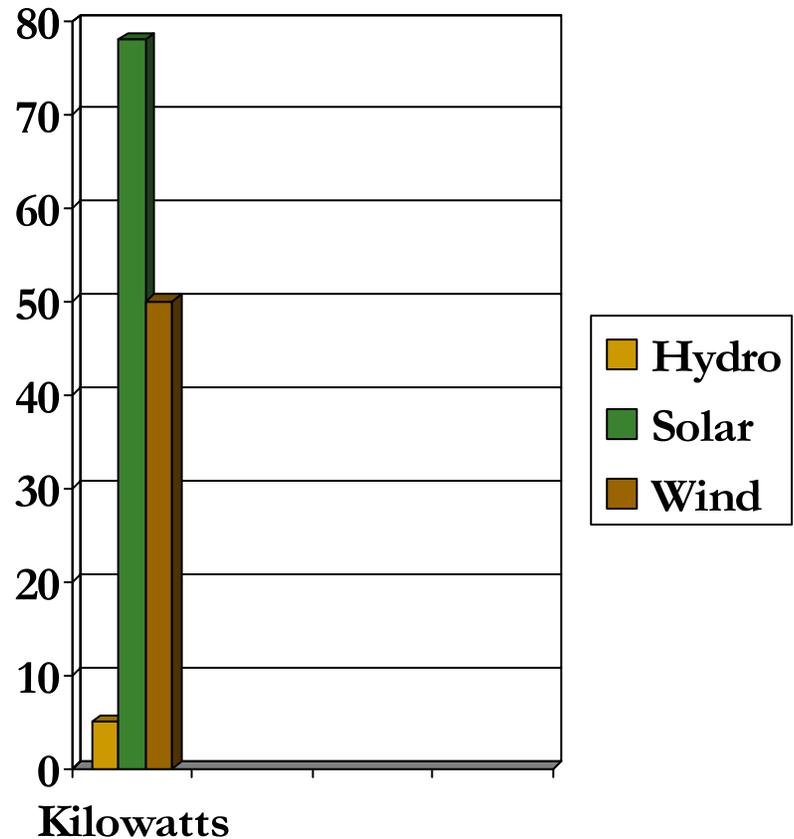
- Number of producers
 - Schools: 30
 - Non-profit agencies: 7
 - Private producers: 8
- By type
 - Solar: 42
 - Wind: 3
 - Small Hydro: 1



SNAP energy

- Total generation capacity = 133 kilowatts

□ Solar	78 kW
□ Wind	50 kW
□ Hydro	5 kW



Next steps

- Build customer base
 - Continual effort and a hard sell
- Build on school program
 - Web-based monitoring
 - Incorporate with math and science skills
 - Targeting middle and high schools



The installations



Beaver Valley Elementary School, Plain

Cascade School District, Leavenworth



Cascade High School
Discovery Program



Icicle River Middle School



Peshastin-Dryden
Elementary

Cascade School District



Cascade High School

Cascade School District

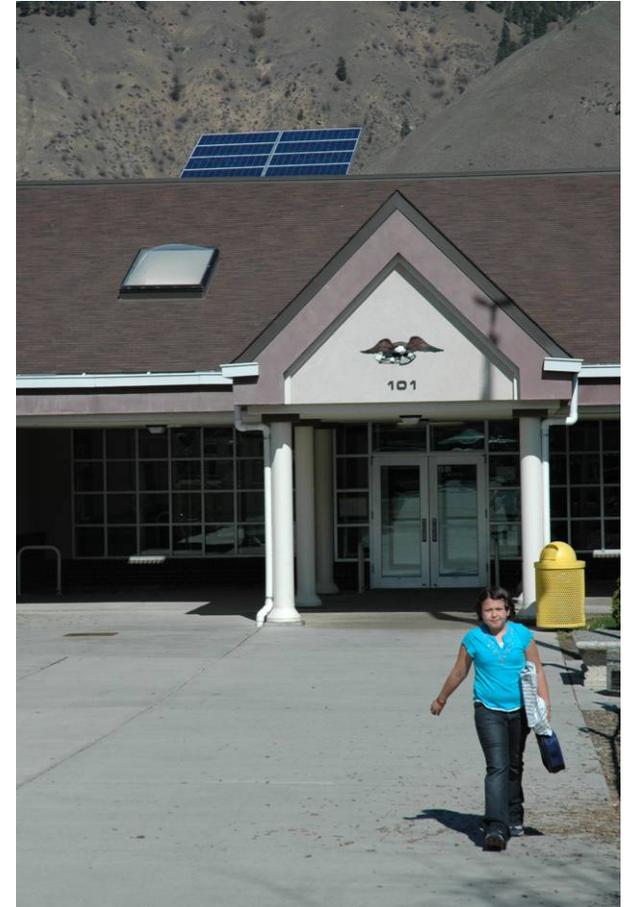


Osborn Elementary School

Cashmere School District



Cashmere High School



Vale Elementary

Chelan School District



Chelan Middle-High School



Morgan-Owings Elementary School

Entiat School District



Entiat School

Manson School District



Manson Elementary School

Manson School District



Manson High School

Wenatchee School District



Columbia Elementary



Lewis and Clark Elementary



Lincoln Elementary

Wenatchee School District



Mission View Elementary



Newbery Elementary

Wenatchee School District



Washington Elementary

Wenatchee School District



Pioneer Middle School



Orchard Middle School



Foothills Middle School

Wenatchee School District



Wenatchee High School



WestSide High School

Private schools



Cascade Christian Academy,
Wenatchee



St. Joseph's School, Wenatchee



Chelan Valley Independent School
(Masonic Temple)

Nonprofit agencies



Bank of America Performing Arts Center, Wenatchee

Nonprofit agencies



Pioneer Village and Museum, Cashmere



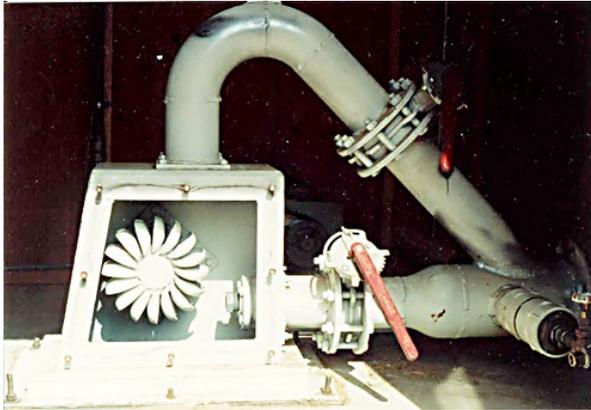
Chelan-Douglas Community
Action Council

Nonprofit agencies



SHARE Community Land Trust, Leavenworth

Private producers



Questions?

